IIE Transactions (2005) **37**, 1155–1169

DESIGN & MANUFACTURING

AUTHOR INDEX FOR 2005

Agrawal, S., K.P. Karunakaran, P.D. Vengurlekar, O.S. Sahasrabudhe, V. Pushpa and R.H. Ely; *Segmented object manufacturing*; April; 291

Ayağ, Z.; *A fuzzy AHP-based simulation approach to concept evaluation in a NPD environment*; September; 827

Batta, R., A. Sarkar and R. Nagi; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

Benjaafar, S. and M. Lahmar; *Design of distributed layouts*; April; 303

Bozer, Y.A. and M. Cho; *Throughput performance of automated storage/retrieval systems under stochastic demand*; April; 367

Bozer, Y.A. and Y.-J. Hsieh; *Throughput performance analysis and machine layout for discrete-space closed-loop conveyors*; January; 77

Brayman, V., W. Kohn and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281

Bukchin, Y. and R.D. Meller; *A space allocation algorithm for assembly line components*; January; 51

Chen, Y., C. Liu and Y. Ding; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

Chhajed, D. and K. Kim; *Strict-product-ordering approach in the vertical product-line design problem*; April; 319

Cho, C.-H., D.-S. Kim, Y.S. Cho and C.W. Kang; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

Cho, M. and Y.A. Bozer; *Throughput performance of automated storage/retrieval systems under stochastic demand*; April; 367

Cho, Y.S., D.-S. Kim, C.-H. Cho and C.W. Kang; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

Cruz, F.R.B. and J. MacGregor Smith; *The buffer allocation problem for general finite buffer queueing networks*; April; 343

Ding, Y., C. Liu and Y. Chen; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

Ely, R.H., K.P. Karunakaran, S. Agrawal, P.D. Vengurlekar, O.S. Sahasrabudhe and V. Pushpa; *Segmented object manufacturing*; April; 291

Enginarlar, E., J. Li and S.M. Meerkov; *How lean can lean buffers be?*; April; 333

Filliger, R. and M.-O. Hongler; *Optimal threshold control for failure-prone tandem production systems*; September; 861

Gademann, N. and S. van de Velde; *Order batching to minimize total travel time in a parallel-aisle warehouse*; January; 63

Gershwin, S.B. and Y. Kang; *Information inaccuracy in inventory systems: stock loss and stockout*; September; 843

Hongler, M.-O. and R. Filliger; *Optimal threshold control for failure-prone tandem production systems*; September; 861

Hsieh, Y.-J. and Y.A. Bozer; *Throughput performance analysis and machine layout for discrete-space closed-loop conveyors*; January; 77

Ji, P. and J. Xue; *Tolerance charting for components with both angular and square shoulder features*; September; 815

Jiao, J. and Y. Zhang; *Product portfolio planning with customer-engineering interaction*; September; 801

Kang, C.W., D.-S. Kim, C.-H. Cho and Y.S. Cho; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

Kang, Y. and S.B. Gershwin; *Information inaccuracy in inventory systems: stock loss and stockout*; September; 843

Karunakaran, K.P., S. Agrawal, P.D. Vengurlekar, O.S. Sahasrabudhe, V. Pushpa and R.H. Ely; *Segmented object manufacturing*; April; 291

Kim, D.-S., C.-H. Cho, Y.S. Cho and C.W. Kang; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

Kim, K. and D. Chhajed; *Strict-product-ordering approach in the vertical product-line design problem*; April; 319

Koc, B., A. Wang and R. Nagi; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1

Koc, B., A. Wang and R. Nagi; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

Kohn, W., V. Brayman and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281

Lahmar, M. and S. Benjaafar; *Design of distributed layouts*; April; 303

Li, J., E. Enginarlar and S.M. Meerkov; *How lean can lean buffers be?*; April; 333

Littleton, J., W. Kohn and V. Brayman; *Repair-control of enterprise systems using RFID sensory data*; April; 281

Liu, C., Y. Ding and Y. Chen; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

MacGregor Smith, J. and F.R.B. Cruz; *The buffer allocation problem for general finite buffer queueing networks*; April; 343

Meerkov, S.M., E. Enginarlar and J. Li; *How lean can lean buffers be?*; April; 333

Meller, R.D. and Y. Bukchin; *A space allocation algorithm for assembly line components*; January; 51

Nagi, R., A. Sarkar and R. Batta; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

Nagi, R., A. Wang and B. Koc; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1

Nagi, R., A. Wang and B. Koc; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

Pushpa, V., K.P. Karunakaran, S. Agrawal, P.D. Vengurlekar, O.S. Sahasrabudhe and R.H. Ely; *Segmented object manufacturing*; April; 291

Sahasrabudhe, O.S., K.P. Karunakaran, S. Agrawal, P.D. Vengurlekar, V. Pushpa and R.H. Ely; *Segmented object manufacturing*; April; 291

Sarkar, A., R. Batta and R. Nagi; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

0740-817X © 2005 "IIE"

van de Velde, S. and N. Gademann; *Order batching to minimize total travel time in a parallel-aisle warehouse*; January; 63
Vengurlekar, P.D., K.P. Karunakaran, S. Agrawal, O.S. Sahasrabudhe, V. Pushpa and R.H. Ely; *Segmented object manufacturing*; April; 291

Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

Xue, J. and P. Ji; *Tolerance charting for components with both angular and square shoulder features*; September; 815

Zhang, Y. and J. Jiao; *Product portfolio planning with customer-engineering interaction*; September; 801

SUBJECT INDEX FOR 2005

1010 – Computer-aided design
Karunakaran, K.P., S. Agrawal, P.D. Vengurlekar, et al.; *Segmented object manufacturing*; April; 291
Xue, J. and P. Ji; *Tolerance charting for components with both angular and square shoulder features*; September; 815

1030 – Design methodology
Chhajed, D. and K. Kim; *Strict-product-ordering approach in the vertical product-line design problem*; April; 319
Karunakaran, K.P., S. Agrawal, P.D. Vengurlekar, et al.; *Segmented object manufacturing*; April; 291
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1

1040 – Design optimization
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

1050 – Design representation
Kim, S.-s., C.-H. Cho, et al.; *Probability distribution of the five op-codes in Edgebreaker*; September; 789
Xue, J. and P. Ji; *Tolerance charting for components with both angular and square shoulder features*; September; 815

1060 – Manufacturability/producibility analysis
Jiao, J. and Y. Zhang; *Product portfolio planning with customer-engineering interaction*; September; 801
Xue, J. and P. Ji; *Tolerance charting for components with both angular and square shoulder features*; September; 815

1065 – Internet-based design
Kim, S.-s., C.-H. Cho, et al.; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

1150 – Numerically controlled machines
Karunakaran, K.P., S. Agrawal, P.D. Vengurlekar, et al.; *Segmented object manufacturing*; April; 291

1200 – Manufacturing processes
Kang, Y. and S.B. Gershwin; *Information inaccuracy in inventory systems: stock loss and stockout*; September; 843

1210 – Assembly
Bukchin, Y. and R.D. Meller; *A space allocation algorithm for assembly line components*; January; 51
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

1310 – Flexible assembly systems
Bukchin, Y. and R.D. Meller; *A space allocation algorithm for assembly line components*; January; 51

1330 – Manufacturing systems analysis
Bukchin, Y. and R.D. Meller; *A space allocation algorithm for assembly line components*; January; 51
Enginarlar, E., J. Li and S.M. Meerkov; *How lean can lean buffers be?*; April; 333

1340 – Manufacturing systems architecture
Kohn, W., V. Brayman and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part I: System architecture and assembly modeling methodology*; January; 1
Wang, A., B. Koc and R. Nagi; *Complex assembly variant design in agile manufacturing. Part II: Assembly variant design methodology*; January; 17

1360 – Manufacturing systems design
Chhajed, D. and K. Kim; *Strict-product-ordering approach in the vertical product-line design problem*; April; 319
Enginarlar, E., J. Li and S.M. Meerkov; *How lean can lean buffers be?*; April; 333
Kohn, W., V. Brayman and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281
Lahmar, M. and S. Benjaafar; *Design of distributed layouts*; April; 303
MacGregor Smith, J. and F.R.B. Cruz; *The buffer allocation problem for general finite buffer queueing networks*; April; 343

1370 – Manufacturing systems modeling
Kang, Y., S.B. Gershwin; *Information inaccuracy in inventory systems: stock loss and stockout*; September; 843
Lahmar, M. and S. Benjaafar; *Design of distributed layouts*; April; 303

1410 – Analysis methods
Bozer, Y.A. and M. Cho; *Throughput performance of automated storage/retrieval systems under stochastic demand*; April; 367

1420 – Equipment: movement
Bozer, Y.A. and M. Cho; *Throughput performance of automated storage/retrieval systems under stochastic demand*; April; 367
Gademann, N. and S. van de Velde; *Order batching to minimize total travel time in a parallel-aisle warehouse*; January; 63

1450 – Material handling functions
Bozer, Y.A. and Y.-J. Hsieh; *Throughput performance analysis and machine layout for discrete-space closed-loop conveyors*; January; 77
Gademann, N. and S. van de Velde; *Order batching to minimize total travel time in a parallel-aisle warehouse*; January; 63

1460 – Systems integration
Bozer, Y.A. and Y.-J. Hsieh; *Throughput performance analysis and machine layout for discrete-space closed-loop conveyors*; January; 77

1520 – Geometric reasoning
Liu, C., Y. Ding and Y. Chen; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

2010 – Combinatorial optimization
Bozer, Y.A. and Y.-J. Hsieh; *Throughput performance analysis and machine layout for discrete-space closed-loop conveyors*; January; 77

2030 – Network flow programming and graphs
Chhajed, D. and K. Kim; *Strict-product-ordering approach in the vertical product-line design problem*; April; 319

2045 – Stochastic/robust optimization
Filliger, R. and M.-O. Hongler; *Optional threshold control for failure-prone tandem production systems*; September; 861

2050 – Linear programming
Gademann, N. and S. van de Velde; *Order batching to minimize total travel time in a parallel-aisle warehouse*; January; 63

2070 – Nonlinear programming
MacGregor Smith, J. and F.R.B. Cruz; *The buffer allocation problem for general finite buffer queueing networks*; April; 343

2150 – Queueing systems
Bozer, Y.A. and M. Cho; *Throughput performance of automated storage/retrieval systems under stochastic demand*; April; 367
Enginarlar, E., J. Li and S.M. Meerkov; *How lean can lean buffers be?*; April; 333
MacGregor Smith, J. and F.R.B. Cruz; *The buffer allocation problem for general finite buffer queueing networks*; April; 343

2180 – Markov Chains
Filliger, R. and M.-O. Hongler; *Optional threshold control for failure-prone tandem production systems*; September; 861

2310 – Input modeling
Ayag, Z.; *A fuzzy AHP-based simulation approach to concept evaluation in a NPD environment*; September; 827

2410 – New product development
Ayag, Z.; *A fuzzy AHP-based simulation approach to concept evaluation in a NPD environment*; September; 827

3060 – Performance evaluation
Kang, Y. and S.B. Gershwin; *Information inaccuracy in inventory systems: stock loss and stockout*; September; 843

3120 – Design/manufacturing process
Jiao, J. and Y. Zhang; *Product portfolio planning with customer-engineering interaction*; September; 801

3140 – Marketing/manufacturing interface
Jiao, J. and Y. Zhang; *Product portfolio planning with customer-engineering interaction*; September; 801

3215 – Facility location
Sarker, A., R. Batta and R. Nagi; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

3220 – Layout planning
Lahmar, M. and S. Benjaafar; *Design of distributed layouts*; April; 303
Sarker, A., R. Batta and R. Nagi; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

3250 – Transportation
Sarker, A., R. Batta and R. Nagi; *Planar area location/layout problem in the presence of generalized congested regions with the rectilinear distance metric*; January; 35

4220 – Probability Modeling
Filliger, R. and M.-O. Hongler; *Optional threshold control for failure-prone tandem production systems*; September; 861
Kim, S.-s., C.-H. Cho, et al.; *Probability distribution of the five op-codes in Edgebreaker*; September; 789

4320 – Inspection
Liu, C., Y. Ding and Y. Chen; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

4360 – Automatic Process Control
Kohn, W., V. Brayman and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281
Liu, C., Y. Ding and Y. Chen; *Optimal coordinate sensor placements for estimating mean and variance components of variation sources*; September; 877

4460 – Maintenance
Kohn, W., V. Brayman and J. Littleton; *Repair-control of enterprise systems using RFID sensory data*; April; 281

GUEST REVIEWERS FOR 2005

Omar Al-Ariadah, Rensselaer Polytechnic Institute
Yash Aneja, University of Windsor, Canada
Chi Kit Au, Nanyang Technical University

Prof. Richard Y.Y. Cai, Nanyang Technological University
Michael Caramanis, Boston University

Tapas K. Das, University of South Florida
A.G. de Kok, Technical University/Eindhoven, the Netherlands
Abhijit Deshmukh, University of Massachusetts-Amherst
Greg Dobson, University of Rochester

Mr. Mervyn Fathianathan, National University of Singapore
Assoc. Prof. Richard Y.K. Fung, City University, Hong Kong

Dr. Tharma Ganesharajah (not affiliated with any institution, to my knowledge)
Stanley Gershwin, MIT
Ian Gibson, Hong Kong University
Stephen C. Graves, MIT
Prof. Angappa Gunasekran, University of Illinois – Springfield

Su-Hua Hsieh, National Taiwan University, Taipei, Taiwan

Wei Jiang, Stevens Institute of Technology
Roger Jiao, Nanyang Technological University
Eric Johnson, Tuck School, Dartmouth University

Chua Chee Kai, Nanyang Technological University
S. Kasahara, Nara Institute of Science & Technology, Japan
Byung-In Kim, Institute of Information Technology, Inc., The Woodlands, TX
Ananth Krishnamurthy, Rensselaer Polytechnic Institute
Heinrich Kuhn, Catholic University of Eichstatt – Ingolstadt, Germany

Dick Larson, MIT
Stephen Lee, Nanyang Technological University
Dr. W.D. Li, Singapore Institute of Manufacturing Technology

Semyon Meerkov, University of Michigan
Russell Meller, Virginia Polytechnic and State University
Prof. Farrokh Mistree, Georgia Institute of Technology

Andrew Yeh Ching Nee, National University of Singapore
Jim Noble, University of Missoiuri-Columbia

Sigurdur Olafsson, Iowa State University
S.K. Ong, National University of Singapore
Nur E. Ozdemirel, Middle East Technical University, Ankara, Turkey

Ravipudi Venkata Rao
Spyros Reveliotis, Gerogia Institute of Technology
Thomas G. Robertazzi, State University of NY-Stony Brook

Bhaba Sarker, Louisiana State University
L. George Shantikumar, University of California-Berkeley
Mandyam Srinivasan, University of Tennessee-Knoxville

Baris Tan, Koc University, Istanbul, Turkey
Weiyu Tsai, University of Utah

Prof. Hans P. Wiendahl, University of Hanover, Germany
Bethany Woody, UNC Charlotte

Min Xie, National University of Singapore

SCHEDULING & LOGISTICS

AUTHOR INDEX FOR 2005

Alagöz, O. and M. Azizoğlu; *Parallel-machine rescheduling with machine disruptions*; December; 1113
Atkins, D. and Q. Li; *On the effect of demand randomness on a price/quantity setting firm*; December; 1143
Azizoğlu, M. and O. Alagöz; *Parallel-machine rescheduling with machine disruptions*; December; 1113

Bai, S.X., J. Choi, J.J. Cao, H.E. Romeijn and J. Geunes; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129
Bailey, D.E. and S.R. Barley; *Return to work: Toward post-industrial engineering*; August; 737
Bard, J.F. and L. Wan; *Weekly scheduling in the service industry: an application to mail processing and distribution centers*; May; 379
Bard, J.F. and X. Zhang; *Equipment scheduling at mail processing and distribution centers*; February; 175
Barley, S.R. and D.E. Bailey; *Return to work: Toward post-industrial engineering*; August; 737
Berman, O. and K.P. Sapna-Isotupa; *Optimal control of servers in front and back rooms with correlated work*; February; 167
Boyaci, T.; *Competitive stocking and coordination in a multiple-channel distribution system*; May; 407

Çakanyildirim, M., R. Roundy, D. Chen, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093
Cao, J.J., J. Choi, H.E. Romeijn, J. Geunes and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129
Çetinkaya, S., W. Jaruphongsa and C.-Y. Lee; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453
Chen, D., R. Roundy, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093
Chen, F.Y., Y. Feng and J. Ou; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397
Choi, J., J.J. Cao, H.E. Romeijn, J. Geunes and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129

Demır, M.H., B.Ç. Tansel and G.F. Scheuenstuhl; *Tree network 1-median location with interval data: a parameter space-based approach*; May; 429
Drezner, Z. and O. Berman; *Location of congested capacitated facilities with distance-sensitive demand*; December; 1155
Dror, M. and B.C. Hartman; *Allocation of gains from inventory centralization in newsvendor environments*; February; 93

Feng, Y., F.Y. Chen and J. Ou; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397
Finke, G., A. Oulamara and M.Y. Kovalyov; *Scheduling a no-wait flow shop containing unbounded batching machines*; August; 685

Framinan, J.M.; *Efficient heuristic approaches to transform job shops into flow shops*; May; 441
Freimer, M.B., R. Roundy, D. Chen, M. Çakanyildirim and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

Gademann, N. and M. Schutten; *Linear-programming-based heuristics for project capacity planning*; February; 153
Geunes, J., J. Choi, J.J. Cao, H.E. Romeijn and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129

Hartman, B.C. and M. Dror; *Allocation of gains from inventory centralization in newsvendor environments*; February; 93
Hodgson, M.J. and T. Suzuki; *Optimal facility location with multi-purpose trip making*; May; 481
Huang, H., S.P. Sethi and H. Yan; *Purchase contract management with demand forecast updates*; August; 775

Jaruphongsa, W., S. Çetinkaya and C.-Y. Lee; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453
Jeong, I.-J. and V.J. Leon; *A single-machine distributed scheduling methodology using cooperative interaction via coupling agents*; February; 137

Koulamas, C. and G.J. Kyparisis; *Algorithms with performance guarantees for flow shops with regular objective functions*; December; 1107
Kovalyov, M.Y., A. Oulamara and G. Finke; *Scheduling a no-wait flow shop containing unbounded batching machines*; August; 685
Kumar, S., N. Ramanan and C. Sriskandarajah; *Minimizing cycle time in large robotic cells*; February; 123
Kyparisis, G.J. and C. Koulamas; *Algorithms with performance guarantees for flow shops with regular objective functions*; December; 1107

Lee, C.-Y., W. Jaruphongsa and S. Çetinkaya; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453
Lee, C.-Y. and V.A. Strusevich; *Two-machine shop scheduling with an uncapacitated interstage transporter*; August; 725
Leng, M. and M. Parlar; *Free shipping and purchasing decisions in B2B transactions: a game-theoretic analysis*; December; 1119
Leon, V.J. and I.-J. Jeong; *A single-machine distributed scheduling methodology using cooperative interaction via coupling agents*; February; 137
Li, Q. and D. Atkins; *On the effect of demand randomness on a price/quantity setting firm*; December; 1143
Lu, Y., J.-S. Song and D.D. Yao; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763
Melkonian, V., R. Roundy, D. Chen, M. Çakanyildirim and M.B. Freimer; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093
Minner, S. and E.A. Silver; *Multi-product batch replenishment strategies under stochastic demand and a joint capacity constraint*; May; 469

Moinzadeh, K. and Y. Tan; *Economic control and inspection policies for high-speed unreliable production systems*; August; 711

Ou, J., F.Y. Chen and Y. Feng; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397
Oulamara, A., M.Y. Kovalyov and G. Finke; *Scheduling a no-wait flow shop containing unbounded batching machines*; August; 685

Parlar, M. and M. Leng; *Free shipping and purchasing decisions in B2B transactions: a game-theoretic analysis*; December; 1119

Ramanan, N., S. Kumar and C. Sriskandarajah; *Minimizing cycle time in large robotic cells*; February; 123
Ray, S., Y. Gerchak and R.K. Choi; *Coordination of quantity and shelf-retention timing in the video movie rental industry*; December; 1175
Romeijn, H.E., J. Choi, J.J. Cao, J. Geunes and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129
Roundy, R., D. Chen, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

Sapna-Isotupa, K.P. and O. Berman; *Optimal control of servers in front and back rooms with correlated work*; February; 167
Sarin, S.C. and J. West-Hansen; *The long-term mine production scheduling problem*; February; 109
Scheuenstuhl, G.F., M.H. Demır and B.Ç. Tansel; *Tree network 1-median location with interval data: a parameter space-based approach*; May; 429
Schutten, M. and N. Gademann; *Linear-programming-based heuristics for project capacity planning*; February; 153
Sethi, S.P., H. Huang and H. Yan; *Purchase contract management with demand forecast updates*; August; 775
Shen, Z.-J.M.; *A multi-commodity supply chain design problem*; August; 753
Silver, E.A. and S. Minner; *Multi-product batch replenishment strategies under stochastic demand and a joint capacity constraint*; May; 469
Song, J.-S., Y. Lu and D.D. Yao; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763
Sriskandarajah, C., S. Kumar and N. Ramanan; *Minimizing cycle time in large robotic cells*; February; 123
Strusevich, V.A. and C.-Y. Lee; *Two-machine shop scheduling with an uncapacitated interstage transporter*; August; 725
Suzuki, T. and M.J. Hodgson; *Optimal facility location with multi-purpose trip making*; May; 481

Tan, Y. and K. Moinzadeh; *Economic control and inspection policies for high-speed unreliable production systems*; August; 711
Tansel, B.Ç., M.H. Demır and G.F. Scheuenstuhl; *Tree network 1-median location with interval data: a parameter space-based approach*; May; 429
Topaloglu, H.; *An approximate dynamic programming approach for a product distribution problem*; August; 697

Wan, L. and J.F. Bard; *Weekly scheduling in the service industry: an application to mail processing and distribution centers*; May; 379
West-Hansen, J. and S.C. Sarin; *The long-term mine production scheduling problem*; February; 109

Yan, H., H. Huang and S.P. Sethi; *Purchase contract management with demand forecast updates*; August; 775
Yao, D.D., Y. Lu and J.-S. Song; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763

Zhang, X. and J.F. Bard; *Equipment scheduling at mail processing and distribution centers*; February; 175

SUBJECT INDEX FOR 2005

140 – Education services
Bailey, D.E. and S.R. Barley; *Return to work: Toward post-industrial engineering*; August; 737

400 – Auto industry
Roundy, R., D. Chen, P. Chen, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

800 – Personnel scheduling
Bard, J.F. and L. Wan; *Weekly scheduling in the service industry: an application to mail processing and distribution centers*; May; 379

1360 – Manufacturing systems design
Framinan, J.M.; *Efficient heuristic approaches to transform job shops into flow shops*; May; 441

1400 – Material handling
Kumar, S., N. Ramanan and C. Sriskandarajah; *Minimizing cycle time in large robotic cells*; February; 123

2000 – Applied optimization
Zhang, X. and J.F. Bard; *Equipment scheduling at mail processing and distribution centers*; February; 175

2150 – Queueing systems
Berman, O. and K.P. Sapna-Isotupa; *Optimal control of servers in front and back rooms with correlated work*; February; 167

3000 – Inventory
Boyaci, T.; *Competitive stocking and coordination in a multiple-channel distribution system*; May; 407
Chen, F.Y., Y. Feng and J. Ou; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397
Choi, J., J.J. Cao, H.E. Romeijn, J. Geunes and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129
Hartman, B.C. and M. Dror; *Allocation of gains from inventory centralization in newsvendor environments*; February; 93
Jaruphongsa, W., S. Çetinkaya and C.-Y. Lee; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453

Leng, M. and M. Parlar; *Free shipping and purchasing decisions in B2B transactions: a game-theoretic analysis*; December; 1119
Li, Q. and D. Atkins; *On the effect of demand randomness on a price/quantity setting firm*; December; 1143
Lu, Y., J.-S. Song and D.D. Yao; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763
Minner, S. and E.A. Silver; *Multi-product batch replenishment strategies under stochastic demand and a joint capacity constraint*; May; 469

3010 – Control policy
Chen, F.Y., Y. Feng and J. Ou; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397

3020 – Coordination
Boyaci, T.; *Competitive stocking and coordination in a multiple-channel distribution system*; May; 407
Lu, Y., J.-S. Song and D.D. Yao; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763

3030 – Information control mechanism
Huang, H., S.P. Sethi and H. Yan; *Purchase contract management with demand forecast updates*; August; 775

3050 – Multi-stage systems
Lu, Y., J.-S. Song and D.D. Yao; *Backorder minimization in multiproduct assemble-to-order systems*; August; 763

3090 – Supply management
Huang, H., S.P. Sethi and H. Yan; *Purchase contract management with demand forecast updates*; August; 775
Jaruphongsa, W., S. Çetinkaya and C.-Y. Lee; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453

3140 – Marketing/manufacturing interface
Berman, O. and Z. Drezner; *Location of congested capacitated facilities with distance-sensitive demand*; December; 1155
Chen, F.Y., Y. Feng and J. Ou; *Management of inventory replenishment and available offerings for goods sold with optional value-added packages*; May; 397
Leng, M. and M. Parlar; *Free shipping and purchasing decisions in B2B transactions: a game-theoretic analysis*; December; 1119
Li, Q. and D. Atkins; *On the effect of demand randomness on a price/quantity setting firm*; December; 1143

3150 – Supply chain management
Hartman, B.C. and M. Dror; *Allocation of gains from inventory centralization in newsvendor environments*; February; 93

3210 – Distribution planning
Shen, Z.-J.M.; *A multi-commodity supply chain design problem*; August; 753
Topaloglu, H.; *An approximate dynamic programming approach for a product distribution problem*; August; 697

3215 – Facility location
Demir, M.H., B.Ç. Tansel and G.F. Scheuenstuhl; *Tree network 1-median location with interval data: a parameter space-based approach*; May; 429
Shen, Z.-J.M.; *A multi-commodity supply chain design problem*; August; 753
Suzuki, T. and M.J. Hodgson; *Optimal facility location with multi-purpose trip making*; May; 481

3220 – Layout planning
Framinan, J.M.; *Efficient heuristic approaches to transform job shops into flow shops*; May; 441

3240 – Network design
Shen, Z.-J.M.; *A multi-commodity supply chain design problem*; August; 753

3250 – Transportation
Jaruphongsa, W., S. Çetinkaya and C.-Y. Lee; *A dynamic lot-sizing model with multi-mode replenishments: polynomial algorithms for special cases with dual and multiple modes*; May; 453

3400 – Production planning
Sarin, S.C. and J. West-Hansen; *The long-term mine production scheduling problem*; February; 109

3410 – Capacity planning
Gademann, N. and M. Schutten; *Linear-programming-based heuristics for project capacity planning*; February; 153
Roundy, R., D. Chen, P. Chen, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

3450 – Inventory management
Topaloglu, H.; *An approximate dynamic programming approach for a product distribution problem*; August; 697

3470 – Lot sizing
Choi, J., J.J. Cao, H.E. Romeijn, J. Geunes and S.X. Bai; *A stochastic multi-item inventory model with unequal replenishment intervals and limited warehouse capacity*; December; 1129

3500 – Scheduling
Koulamas, C. and G.J. Kyparisis; *Algorithms with performance guarantees for flow shops with regular objective functions*; December; 1107
Kumar, S., N. Ramanan and C. Sriskandarajah; *Minimizing cycle time in large robotic cells*; February; 123
Lee, C.-Y. and V.A. Strusevich; *Two-machine shop scheduling with an uncapacitated interstage transporter*; August; 725
Roundy, R., D. Chen, P. Chen, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

3510 – Due date quotation
Roundy, R., D. Chen, P. Chen, M. Çakanyildirim, M.B. Freimer and V. Melkonian; *Capacity-driven acceptance of customer orders for a multi-stage batch manufacturing system: models and algorithms*; December; 1093

3530 – Production scheduling
Azizoğlu, M. and O. Alagöz; *Parallel-machine rescheduling with machine disruptions*; December; 1113
Jeong, I.-J. and V.J. Leon; *A single-machine distributed scheduling methodology using cooperative interaction via coupling agents*; February; 137
Koulamas, C. and G.J. Kyparisis; *Algorithms with performance guarantees for flow shops with regular objective functions*; December; 1107
Oulamara, A., M.Y. Kovalyov and G. Finke; *Scheduling a no-wait flow shop containing unbounded batching machines*; August; 685

Sarin, S.C. and J. West-Hansen; *The long-term mine production scheduling problem*; February; 109
Zhang, X. and J.F. Bard; *Equipment scheduling at mail processing and distribution centers*; February; 175

3540 – Project scheduling
Gademann, N. and M. Schutten; *Linear-programming-based heuristics for project capacity planning*; February; 153
Sarin, S.C. and J. West-Hansen; *The long-term mine production scheduling problem*; February; 109

3570 – Scheduling system implementation
Jeong, I.-J. and V.J. Leon; *A single-machine distributed scheduling methodology using cooperative interaction via coupling agents*; February; 137
Zhang, X. and J.F. Bard; *Equipment scheduling at mail processing and distribution centers*; February; 175

3595 – Workforce scheduling
Bard, J.F. and L. Wan; *Weekly scheduling in the service industry: an application to mail processing and distribution centers*; May; 379

3600 – Service operations
Berman, O. and K.P. Sapna-Isotupa; *Optimal control of servers in front and back rooms with correlated work*; February; 167

3610 – Capacity planning
Berman, O. and K.P. Sapna-Isotupa; *Optimal control of servers in front and back rooms with correlated work*; February; 167

4320 – Inspection
Moinzadeh, K. and Y. Tan; *Economic control and inspection policies for high-speed unreliable production systems*; August; 711

4340 – Statistical quality control
Moinzadeh, K. and Y. Tan; *Economic control and inspection policies for high-speed unreliable production systems*; August; 711

GUEST REVIEWERS FOR 2005

Alessandro Agnetis, Universita di Siena, Italy
Hyun-Soo Ahn, University of Michigan
Kerem Akartunali, University of Wisconsin, Madison
Ali Allahverdi, Kuwait University, Kuwait
Amiri Ali, Okhlahoma State University
Cenk Aliskan, University of Delaware
Shoshana Anily, Tel Aviv University, Israel
Derek Atkins, University of British Columbia, Canada
Alok Baveja, Rutgers University
Adil Baykasoglu, University of Nottingham, United Kingdom
Oded Berman, University of Toronto, Canada
Luca Bertazzi, University of Brescia, Italy
Jean-Charles Billaut, University of Tours, France
Ebru Bish, Virginia Polytechnic Institute and State University
Larry Bodin, University of Maryland
Ahmet Bolat, King Saud University, Saudi Arabia
Denis Borenstein, Universidade Federal do Rio Grande do Sul, Brazil
Tamer Boyaci, McGill University, Canada
James Bradley, Cornell University
Rob Broekmeulen, Technical University of Eindhoven, The Netherlands
Edgar Cabral, University of Alberta, Canada
Xiaoqiang Cai, Chinese University of Hong Kong, Hong Kong
James Campbell, University of Missouri
Paolo Cappanera, Universita deli Studi di Firenze, Italy
Kyle Cattani, Indiana University
Sila Cetinkaya, Texas A&M University
Ann Chan, Virginia Polytechnic Institute and State University
Zhi-Long Chen, University of Maryland
Chun-Hung Cheng, Chinese University of Hong Kong, Hong Kong
Mabel Chou, National University of Singapore, Singapore
Amy Cohn, University of Michigan
Michael Cole, University of Montana
William Cooper, University of Minnesota
Maqbool Dada, Purdue University
Abdullah Dasci, University of North Carolina at Charlotte
Milind Dawande, University of Texas at Dallas
Greg DeCroix,, Duke University
Brian Denton, Mayo Clinic
Qing Ding, Singapore Management University, Singapore
Greg Dobson, University of Rochester
Lin Wei Dong, Singapore Institute of Manufacturing Technology, Singapore
Karen Donohue, University of Minnesota
Moshe Dror, University of Arizona
Mohsen El-Hafsi, University of California at Riverside
Ozlem Ergun, Georgia Institute of Technology
Nesim Erkip, Middle Eastern Technical University, Turkey
Amit Eynan, University of Richmond
Hsiao-Hua Fang, National Taiwan University of Science and Technology, Taiwan
Simme Douwe Flapper, Technical University of Eindhoven, The Netherlands
Moritz Fleischmann, Erasmus University of Rotterdam, The Netherlands
John Fowler, Arizona State University
Michael Fry, University of Cincinnati
Xianghua Gan, The Hong Kong Polytechnic University, Hong Kong
Rodrigo Garrido, Universidad Catolica de Chile, Chile
Neil Geismar, University of Texas at Dallas
Monica Gentili, University of Rome, Italy
Joe Geunes, University of Florida at Gainesville
Steve Gilbert, University of Texas at Austin
Jeffrey Goldberg, University of Arizona
Teofilo Gonzalez, University of California at Santa Barbara
Valery Gordon, National Academy of Sciences of Belarus
Abhijit Gosavi, State University of New York at Buffalo
Harry Groenevelt, University of Rochester
Shanhong Gu, J.P. Morgan Chase
Kevin Gue, Auburn University
Refik Gullu, Middle East Technical University, Turkey
Diwakar Gupta, University of Minnesota
Haresh Gurnani, University of Miami
Randolph Hall, University of Southern California
Geir Hasle, SINTEF Applied Mathematics, Norway
Warren Hausman, Stanford University
Qi-Ming He, Dalhousie University, Canada
Mary Helander, IBM Consulting
Jeffrey Herrmann, University of Maryland
Wilco Heuvel, Erasmus Univertsity, The Netherlands
Simin Huang, Tsinghua University, China
Armann Ingolfsson, University of Alberta, Canada
Seyed Iravani, Northwestern University
Apurva Jain, University of Washington

Adam Janiak, University of Wroclaw, Poland
Wikrom Jaruphongsa, National University of Singapore
Elizabeth Jewkes, University of Waterloo, Canada
Phil Kaminsky, University of California at Berkeley
Fikri Karaesman, Koc University, Turkey
Mustafa Karakul, York University, Canada
Kathrin Klamroth, University of Erlangen, Germany
Sigrid Knust, Universitaet Osnabrueck, Germany
Selcuk Karabati, Koc University, Turkey
Santiago Kraiselburd, Harvard Business School
Dmitry Krass, University of Toronto, Canada
Harish Krishnan, University of British Columbia, Canada
S.O. Krumke, Konrad-Zuse-Zentrum fur Informationstechnik, Germany
Susan Kulp, Harvard Business School
Mary Kurz, Clemson University
Fred Lambert, Erasmus University Rotterdam, The Netherlands
Chi-Guhn Lee, University of Toronto, Canada
Chung-Yee Lee, Hong Kong University of Science and Technology
Lei Lei, Rutgers University - Newark
Janny Leung, Chinese University of Hong Kong, Hong Kong
Stephen Leung, City University of Hong Kong, Hong Kong
Yuri Levin, Queen's University, Canada
Chung-Lun Li, Hong Kong University of Science and Technology, Hong Kong
Gary Lin, Bradley University
Kyle Lin, Naval Postgraduate School
Liming Liu, Hong Kong University of Science and Technology, Hong Kong
Shuguang Liu, State University of New York at New Paltz
Lisa Maillart, Case Western Reserve University
Yannis Marinakis, Technical University of Crete, Greece
Scott Mason, University of Arkansas
John McClain, Cornell University
Joseph Milner, University of Toronto, Canada
Hubert Missbauer, University of Innsbruk, Austria
Nenad Mladenovic, University of Birmingham, United Kingdom
Dolores Romero Morales, University of Oxford, United Kingdom
Ana Muriel, University of Massachusetts
Mahesh Nagarajan, University of British Columbia, Canada
Serguei Netessine, University of Pennsylvania
Daniel Ng, Hong Kong Polytechnic University, Hong Kong
Ceyda Oguz, The Hong Kong Polytechnic University
Ozalp Ozer, Stanford University
Leyla Ozsen, Purdue University
A. Pacifici, Universita di Roma "Tor Bergata", Italy
Mahmut Parlar, McMaster University, Canada
Nick Petruzzi, University of Illinois at Urbana-Champaign
Ulrich Pferschy, University of Graz, Austria.
Guruprasad Pundoor, University of Maryland
Lian Qi, University of Florida
Ananth Raman, Harvard Business School
Saibal Ray, McGill University, Canada
Charles ReVelle, Johns Hopkins University
Lawrence Robinson, Cornell University
Peter Rogerson, State University of New York at Buffalo
Stefan Ropke, University of Copenhagen, Denmark
Robin Roundy, Cornell University
Said Sahli, University of Birmingham, United Kingdom
Alan Scheller-Wolf, Carnegie Mellon University
Daniel Serra, Universitat Pompea Fabra, Spain
Jay Sethuraman, Columbia University
Natalia Shakhlevich, University of Leeds, United Kingdom
Kevin Shang, Duke University
Z.-J. Max Shen, University of California at Berkeley
Leyuan Shi, University of Wisconsin
Rick So, University of California, Irvine
Greys Sosic, University of Southern California
Charles Sox, University of Alabama
Effie Stavrulaki, Bentley College
Richard Steinberg, Cambridge University, United Kingdom
Christine Strauss, University of Vienna, Austria
Vitaly Strusevich, The University of Greenwich, England
Jay Swaminathan, University of North Carolina at Chapel Hill
Julie Swann, Georgia Institute of Technology
Joseph G. Szmerekovsky, North Dakota State University
Ada Suk-Fung, Malaysia University of Science and Technology
Christopher Surie, Technische Universitat Darmstadt, Germany
Kevin Taafe, Clemson University
Tarkan Tan, Technical University of Eindhoven, The Netherlands
Fatih Tasgetirin, Fatih University, Turkey
Giri Tayi, State University of New York at Albany
Eylem Tekin, University of North Carolina at Chapel Hill
Ronald Tibben-Lembke, University of Nevada at Reno
Devanath Tirupati, Indian Institute of Management, India
Andy Tsay, Santa Clara University
Mark Turnquist, Cornell University
Michal Tzur, Tel Aviv University, Israel
Halit Uster, Texas A&M University
Reha Uzsoy, Purdue University
Nico Vandaele, University of Antwerp, Belgium
George Vairaktarakis, Case Western Reserve University
Senthil Veeraraghavan, University of Pennsylvania
Sushil Verma, SignalDemand
S. Viswanathan, Nanyang Technological University, Singapore
Ton Volgenant, University of Amsterdam, The Netherlands
Stefan Voss, University of Hamburg, Germany
Albert Wagelmans, Erasmus University of Rotterdam, The Netherlands
Guoqing Wang, Jinan University, China
Yunzeng Wang, Case Western Reserve University
Amy Ward, Georgia Institute of Technology
Wilbert Wilhelm, Texas A&M University
Jian Yang, New Jersey Institute of Technology
Ming-Jong Yao, Tunghai University, Taiwan
Rachel Zhang, Hong Kong University of Science and Technology, Hong Kong
Eda Kemahlioglu Ziya, University of North Carolina at Chapel Hill

OPERATIONS ENGINEERING

AUTHOR INDEX FOR 2005

Abdoli, M. and F.F. Choobineh; *Empirical Bayes forecasting methods for job flow times*; July; 635

Ahn, H.-S. and P. Kaminsky; *Production and distribution policy in a two-stage stochastic push-pull supply chain*; July; 609

Aktan, M., H.B. Nembhard and L. Shi; *A real-options-based analysis for supply chain decisions*; October; 945

Bard, J.F. and H.W. Purnomo; *Hospital-wide reactive scheduling of nurses with preference considerations*; July; 589

Ben-Gal, I., A. Herbon and E. Khmelnitsky; *Using a pseudo-stochastic approach for multiple-parts scheduling on an unreliable machine*; March; 189

Brogan, A.J. and S. Stidham; *A note on separation in mean-lower-partial-moment portfolio optimization with fixed and moving targets*; October; 901

Chen, Y., T. Wang and Y. Feng; *On the time-window fulfillment rate in a single-item min-max inventory control system*; July; 667

Choobineh, F.F. and M. Abdoli; *Empirical Bayes forecasting methods for job flow times*; July; 635

Chu, W.-C., W.T. Song and C.C. Su; *A pseudo-random number assignment strategy for the estimation of quadratic metamodels*; July; 657

Cook, W.D. and J. Zhu; *Building performance standards into data envelopment analysis structures*; March; 267

Dar-El, E.M., M. Masin and Y.T. Herer; *Design of self-regulating production control systems by Tradeoffs Programming*; March; 217

Deng, X., J. Shu, Y. Gu and W. Zheng; *A sliced-finite difference method for the American option*; October; 939

Feng, Y., T. Wang and Y. Chen; *On the time-window fulfillment rate in a single-item min-max inventory control system*; July; 667

Gu, Y., J. Shu, X. Deng and W. Zheng; *A sliced-finite difference method for the American option*; October; 939

Herbon, A., E. Khmelnitsky and I. Ben-Gal; *Using a pseudo-stochastic approach for multiple-parts scheduling on an unreliable machine*; March; 189

Herer, Y.T., M. Masin and E.M. Dar-El; *Design of self-regulating production control systems by Tradeoffs Programming*; March; 217

Hong, L.J. and B.L. Nelson; *The tradeoff between sampling and switching: new sequential procedures for indifference-zone selection*; July; 623

Jefferson, T.R. and C.H. Scott; *Dynamic financial planning: certainty equivalents, stochastic constraints and functional conjugate duality*; October; 931

Ji, X., S. Zhu, S. Wang and S. Zhang; *A stochastic linear goal programming approach to multistage portfolio management based on scenario generation via linear programming*; October; 957

Kaminsky, P. and H.-S. Ahn; *Production and distribution policy in a two-stage stochastic push-pull supply chain*; July; 609

Khmelnitsky, E., A. Herbon and I. Ben-Gal; *Using a pseudo-stochastic approach for multiple-parts scheduling on an unreliable machine*; March; 189

Konno, H. and T. Koshizuka; *Mean-absolute deviation model*; October; 893

Koshizuka, T. and H. Konno; *Mean-absolute deviation model*; October; 893

Kulkarni, S.S., M.J. Magazine and A.S. Raturi; *On the trade-offs between risk pooling and logistics costs in a multi-plant network with commonality*; March; 247

Li, C.-L., V. Ning Hsu and W.-Q. Xiao; *Dynamic lot size problems with one-way product substitution*; March; 201

Magazine, M.J., S.S. Kulkarni and A.S. Raturi; *On the trade-offs between risk pooling and logistics costs in a multi-plant network with commonality*; March; 247

Mansini, R. and M.G. Speranza; *An exact approach for portfolio selection with transaction costs and rounds*; October; 919

Marmor, Y. and D. Sinreich; *Emergency department operations: The basis for developing a simulation tool*; March; 233

Masin, M., Y.T. Herer and E.M. Dar-El; *Design of self-regulating production control systems by Tradeoffs Programming*; March; 217

Miyazaki, K.; *Choosing between bonds and equities under long-term risk constraints*; October; 907

Nelson, B.L. and L.J. Hong; *The tradeoff between sampling and switching: New sequential procedures for indifference-zone selection*; July; 623

Nembhard, H.B., L. Shi and M. Aktan; *A real-options-based analysis for supply chain decisions*; October; 945

Ning Hsu, V., C.-L. Li and W.-Q. Xiao; *Dynamic lot size problems with one-way product substitution*; March; 201

Purnomo, H.W. and J.F. Bard; *Hospital-wide reactive scheduling of nurses with preference considerations*; July; 589

Raturi, A.S., S.S. Kulkarni and M.J. Magazine; *On the trade-offs between risk pooling and logistics costs in a multi-plant network with commonality*; March; 247

Scott, C.H. and T.R. Jefferson; *Dynamic financial planning: certainty equivalents, stochastic constraints and functional conjugate duality*; October; 931

Shi, L., H.B. Nembhard and M. Aktan; *A real-options-based analysis for supply chain decisions*; October; 945

Shu, J., Y. Gu, X. Deng and W. Zheng; *A sliced-finite difference method for the American option*; October; 939

Sinreich, D. and Y. Marmor; *Emergency department operations: The basis for developing a simulation tool*; March; 233

Song, W.T.; *Relationships among some univariate distributions*; July; 651

Song, W.T., C.C. Su and W.-C. Chu; *A pseudo-random number assignment strategy for the estimation of quadratic metamodels*; July; 657

Speranza, M.G. and R. Mansini; *An exact approach for portfolio selection with transaction costs and rounds*; October; 919

Stidham, S. and A.J. Brogan; *A note on separation in mean-lower-partial-moment portfolio optimization with fixed and moving targets*; October; 901

Su, C.C., W.T. Song and W.-C. Chu; *A pseudo-random number assignment strategy for the estimation of quadratic metamodels*; July; 657

Wang, S., X. Ji, S. Zhu and S. Zhang; *A stochastic linear goal programming approach to multistage portfolio management based on scenario generation via linear programming*; October; 957

Wang, T., Y. Chen and Y. Feng; *On the time-window fulfillment rate in a single-item min-max inventory control system*; July; 667

Xiao, W.-Q., V. Ning Hsu and C.-L. Li; *Dynamic lot size problems with one-way product substitution*; March; 201

Zhang, S., X. Ji, S. Zhu and S. Wang; *A stochastic linear goal programming approach to multistage portfolio management based on scenario generation via linear programming*; October; 957
Zheng, W., J. Shu, Y. Gu and X. Deng; *A sliced-finite difference method for the American option*; October; 939
Zhu, J. and W.D. Cook; *Building performance standards into data envelopment analysis structures*; March; 267
Zhu, S., X. Ji, S. Wang and S. Zhang; *A stochastic linear goal programming approach to multistage portfolio management based on scenario generation via linear programming*; October; 957

SUBJECT INDEX FOR 2005

2035 – Data envelopment analysis
Cook, W.D. and J. Zhu; *Building performance standards into data envelopment analysis structures*; March; 267

2140 – Engineering statistics
Song, W.T.; *Relationships among some univariate distributions*; July; 651

2300 – Simulation
Hong, L.J. and B.L. Nelson; *The tradeoff between sampling and switching: New sequential procedures for indifference-zone selection*; July; 623
Konno, H. and T. Koshizuka; *Mean-absolute deviation mode*; October; 893
Sinreich, D. and Y. Marmor; *Emergency department operations: The basis for developing a simulation tool*; March; 233

2315 – Metamodeling
Song, W.T., C.C. Su and W.-C. Chu; *A pseudo-random number assignment strategy for the estimation of quadratic metamodels*; July; 657

2440 – Risk management
Kulkarni, S.S., M.J. Magazine and A.S. Raturi; *On the trade-offs between risk pooling and logistics costs in a multi-plant network with commonality*; March; 247

2480 – Financial Engineering
Jefferson, T.R. and C.H. Scott; *Dynamic financial planning: certainty equivalents, stochastic constraints and functional conjugate duality*; October; 931
Nembhard, H.B., L. Shi and M. Aktan; *A real-options-based analysis for supply chain decisions*; October; 945
Shu, J., Y. Gu, X. Deng and W. Zheng; *A sliced-finite difference method for the American option*; October; 939

2485 – Portfolio Analysis
Brogan, A.J. and S. Stidham; *A note on separation in mean-lower-partial-moment portfolio optimization with fixed and moving targets*; October; 901
Ji, X., S. Zhu, S. Wang and S. Zhang; *A stochastic linear goal programming approach to multistage portfolio management based on scenario generation via linear programming*; October; 957
Mansini, R. and M.G. Speranza; *An exact approach for portfolio selection with transaction costs and rounds*; October; 919
Miyazaki, K.; *Choosing between bonds and equities under long-term risk constraints*; October; 907

3010 – Control policy
Wang, T., Y. Chen and Y. Feng; *On the time-window fulfillment rate in a single-item min-max inventory control system*; July; 667

3300 – Production control
Masin, M., Y.T. Herer and E.M. Dar-El; *Design of self-regulating production control systems by tradeoffs programming*; March; 217

3420 – Forecasting
Abdoli, M., and F.F. Choobineh; *Empirical Bayes forecasting methods for job flow times*; July; 635

3430 – Hierarchical production planning and control
Ahn, H.-S. and P. Kaminsky; *Production and distribution policy in a two-stage stochastic push-pull supply chain*; July; 609

3470 – Lot sizing
Ning Hsu, V., C.-L. Li and W.-Q. Xiao; *Dynamic lot size problems with one-way product substitution*; March; 201

3580 – Stochastic scheduling
Herbon, A., E. Khmelnitsky and I. Ben-Gal; *Using a pseudo-stochastic approach for multiple-parts scheduling on an unreliable machine*; March; 189

3595 – Workforce scheduling
Bard, J.F. and H.W. Purnomo; *Hospital-wide reactive scheduling of nurses with preference considerations*; July; 589

GUEST REVIEWERS FOR 2004–2005 Vol. 37(3), (7) and (10)

(DE: Jim Smith – Applied Optimization)
Umit Akinc, Wake Forest University, Winston-Salem, NC
Erin Baker, University of Massachusetts, Amherst MA
James Benneyan, Northeastern University, Boston, MA
Jean-Francois Cordeau, University of Montreal, Montreal, Canada
Ozlem Ergun, Georgia Institute of Technology, Atlanta GA
Alberto Garcia-Diaz, Texas A&M University, College Station, TX
Ahhijit Gosavi, SUNY Buffalo, Buffalo, NY
Ling-Feng Hsieh, Chiao Tung University, Taiwan
Hans Kellerer, University of Graz, Graz, Austria
Dushyant Sharma, University of Michigan, Ann Arbor, MI
Hanif Sherali, Virginia Polytechnic Institute, Blacksbug, VA
Frits Spieksma, Katholieke University, Leuven, Belgium
U.T. Zimmerman, Braunschweig University, Germany

(DE: Georgia-Ann Klutke – Engineering Statistics and Applied Probability)
Christos Alexopoulos, Georgia Institute of Technology
Nilay Argon, University of Wisconsin-Madison
Hayriye Ayhan, Georgia Institute of Technology
Sila Cetinkaya, Texas A&M University
Steven Chick, INSEAD
Bryan Deuermeyer, Texas A&M University
Lingxu Dong, Washington University
Nesim Erkip, Middle East Technical University
Natarajan Gautam, The Pennsylvania State University
Donald Keefer, Arizona State University
Mark Lewis, University of Michigan
Thomas Willemain, Rensselear Polytechnic Institute

(DE: Christos Alexopoulos – Simulation)
Sigrun Andradottir, Georgia Institute of Technology
Michael E. Kuhl, Rochester Institute of Technology
Keebom Kang, Naval Post-Graduate School
Lawrence Leemis, William and Mary University
Andrew F. Seila, University of Georgia

Enver Yucesan (INSEAD, France)
Michael Washington, Centers for Disease Control and Prevention

(DE: David Wu – Feature Applications and Technology Management)
Amy Cohn, University of Michigan

Meltem Denizel, Sabanci University
Maged Dessouky, University of Southern California
Boaz Golany, Technion
Erhan Kutanoglu, University of Texas, Austin
John Ruggiero, University of Dayton
Jian Yang, New Jersey Institute of Technology

QUALITY & RELIABILITY ENGINEERING

AUTHOR INDEX FOR 2005

Aparisi, F. and J.C. Garcia-Diaz; *Economic design of EWMA control charts using regions of maximum and minimum ARL*; November; 1011

Ben-Gal, I., A. Finkelshtein, Y.T. Herer and T. Raz; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995

Ceglarek, D., Y. Ding, J. Jin and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493
Cox, S.M. and J.P. Kharoufeh; *Stochastic models for degradation-based reliability*; June; 533

Ding, Y., J. Jin, D. Ceglarek and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493

Elsayed, E.A. and W. Zhao; *A general accelerated life model for step-stress testing*; November; 1059

Felder, F.A.; *Risk modeling, assessment and management*; June; 586
Finkelshtein, A., Y.T. Herer, T. Raz and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995
Floyd, D.A.; *Statistical process control: The deming paradigm and beyond, 2nd Ed.*; November; 1086

Garcia-Diaz, J.C. and F. Aparisi; *Economic design of EWMA control charts using regions of maximum and minimum ARL*; November; 1011
Gebraeel, N.Z., M.A. Lawley, R. Li and J.K. Ryan; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543
Grigoryan, A. and D. He; *Multivariate multiple sampling charts*; June; 509
Guida, M. and G. Pulcini; *Bayesian reliability assessment of repairable systems during multi-stage development programs*; November; 1071

He, D. and A. Grigoryan; *Multivariate multiple sampling charts*; June; 509
Herer, Y.T., A. Finkelshtein, T. Raz and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995
Huang, H.-Z., Z. Tian and M.J. Zuo; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983
Huwang, L., A.B. Yeh and C.-W. Wu; *A multivariate EWMA control chart for monitoring process variability with individual observations*; November; 1023

Jin, J., Y. Ding, D. Ceglarek and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493
Jin, J. and S. Zhou; *Automatic feature selection for unsupervised clustering of cycle-based signals in manufacturing processes*; June; 569
Jin, J., S. Zhou and N. Jin; *Cycle-based signal monitoring using a directionally variant multivariate control chart system*; November; 971
Jin, N., S. Zhou and J. Jin; *Cycle-based signal monitoring using a directionally variant multivariate control chart system*; November; 971

Kharoufeh, J.P. and S.M. Cox; *Stochastic models for degradation-based reliability*; June; 533
Kim, K.-J. and K.S. Park; *Optimizing multi-response surface problems: How to use multi-objective optimization techniques*; June; 523

Lawley, M.A., N.Z. Gebraeel, R. Li and J.K. Ryan; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543
Lawrence, S.M.; *Introduction to survey quality*; June; 587
Li, R., N.Z. Gebraeel, M.A. Lawley and J.K. Ryan; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543

Liao, H.; *Case studies in reliability and maintenance*; June; 585
Lopes, P.A.; Statistical Process Adjustment for Quality Control ISBN 0471435740; November; 1088
Park, K.S. and K.-J. Kim; *Optimizing multi-response surface problems: How to use multi-objective optimization techniques*; June; 523
Pulcini, G. and M. Guida; *Bayesian reliability assessment of repairable systems during multi-stage development programs*; November; 1071

Raz, T., A. Finkelshtein, Y.T. Herer and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995
Ryan, J.K., N.Z. Gebraeel, M.A. Lawley and R. Li; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543

Shi, J., Y. Ding, J. Jin and D. Ceglarek; *Process-oriented tolerancing for multi-station assembly systems*; June; 493
Shu, L., F. Tsung and K.-L. Tsui; *Effects of estimation errors on cause-selecting charts*; June; 559
Singer, H.A.; *Intro. to probability and statistics for scientists and engineers*; November; 1085

Tian, Z., H.-Z. Huang and M.J. Zuo; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983
Tong, C.; *Methods of multivariate analysis*, Second Edition ISBN 0471418897; November; 1083
Tsui, K.-L., L. Shu and F. Tsung; *Effects of estimation errors on cause-selecting charts*; June; 559
Tsung, F., L. Shu and K.-L. Tsui; *Effects of estimation errors on cause-selecting charts*; June; 559
Tsung, F., Y. Zhao and Z. Wang; *Dual CUSUM control schemes for detecting a range of mean shifts*; November; 1047

Wang, Z., F. Tsung and Y. Zhao; *Dual CUSUM control schemes for detecting a range of mean shifts*; November; 1047
Wu, C.-W., A.B. Yeh and L. Huwang; *A multivariate EWMA control chart for monitoring process variability with individual observations*; November; 1023

Yeh, A.B., L. Huwang and C.-W. Wu; *A multivariate EWMA control chart for monitoring process variability with individual observations*; November; 1023

Zantek, P.F.; *Run-length distributions of Q -chart schemes*; November; 1037

Zhao, W. and E.A. Elsayed; *A general accelerated life model for step-stress testing*; November; 1059

Zhao, Y., F. Tsung and Z. Wang; *Dual CUSUM control schemes for detecting a range of mean shifts*; November; 1047

Zhou, S. and J. Jin; *Automatic feature selection for unsupervised clustering of cycle-based signals in manufacturing processes*; June; 569

Zhou, S., N. Jin and J. Jin; *Cycle-based signal monitoring using a directionally variant multivariate control chart system*; November; 971

Zuo, M.J., H.-Z. Huang and Z. Tian; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983

SUBJECT INDEX FOR 2005

430 – Process industries

Finkelshtein, A., Y.T. Herer, T. Raz and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995

450 – Other industry

Kharoufeh, J.P. and S.M. Cox; *Stochastic models for degradation-based reliability*; June; 533

500 – Manufacturing

Ding, Y., J. Jin, D. Ceglarek and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493

Garcia-Diaz, J.C. and F. Aparisi; *Economic design of EWMA control charts using regions of maximum and minimum ARL*; November; 1011

Guida, M. and G. Pulcini; *Bayesian reliability assessment of repairable systems during multi-stage development programs*; November; 1071

He, D. and A. Grigoryan; *Multivariate multiple sampling charts*; June; 509

Huang, H.-Z., Z. Tian and M.J. Zuo; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983

Park, K.S. and K.-J. Kim; *Optimizing multi-response surface problems: How to use multi-objective optimization techniques*; June; 523

Yeh, A.B., L. Huwang and C.-W. Wu; *A multivariate EWMA control chart for monitoring process variability with individual observations*; November; 1023

Zhao, W. and E.A. Elsayed; *A general accelerated life model for step-stress testing*; November; 1059

Zhao, Y., F. Tsung and Z. Wang; *Dual CUSUM control schemes for detecting a range of mean shifts*; November; 1047

Zhou, S. and J. Jin; *Automatic feature selection for unsupervised clustering of cycle-based signals in manufacturing processes*; June; 569

2010 – Combinatorial optimization

He, D. and A. Grigoryan; *Multivariate multiple sampling charts*; June; 509

2020 – Dynamic programming

Finkelshtein, A., Y.T. Herer, T. Raz and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995

2040 – Metaheuristics

Garcia-Diaz, J.C. and F. Aparisi; *Economic design of EWMA control charts using regions of maximum and minimum ARL*; November; 1011

2060 – Multicriteria decision making

Park, K.S. and K.-J. Kim; *Optimizing multi-response surface problems: How to use multi-objective optimization techniques*; June; 523

2300 – Simulation

Ding, Y., J. Jin, D. Ceglarek and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493

Shu, L., F. Tsung and K.-L. Tsui; *Effects of estimation errors on cause-selecting charts*; June; 559

2310 – Input modeling

Ding, Y., J. Jin, D. Ceglarek and J. Shi; *Process-oriented tolerancing for multi-station assembly systems*; June; 493

2325 – Optimization

Zhou, S. and J. Jin; *Automatic feature selection for unsupervised clustering of cycle-based signals in manufacturing processes*; June; 569

2410 – New product development

Guida, M. and G. Pulcini; *Bayesian reliability assessment of repairable systems during multi-stage development programs*; November; 1071

4100 – Process optimization

Park, K.S. and K.-J. Kim; *Optimizing multi-response surface problems: How to use multi-objective optimization techniques*; June; 523

4140 – Optimization applications

Huang, H.-Z., Z. Tian and M.J. Zuo; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983

4200 – Statistics and applied probability

Zantek, P.F.; *Run-length distributions of Q-chart schemes*; November; 1037

4220 – Probability modeling

Kharoufeh, J.P. and S.M. Cox; *Stochastic models for degradation-based reliability*; June; 533

4320 – Inspection

Finkelshtein, A., Y.T. Herer, T. Raz and I. Ben-Gal; *Economic optimization of off-line inspection in a process subject to failure and recovery*; November; 995

4340 – Statistical quality control

Garcia-Diaz, J.C. and F. Aparisi; *Economic design of EWMA control charts using regions of maximum and minimum ARL*; November; 1011

He, D. and A. Grigoryan; *Multivariate multiple sampling charts*; June; 509

Yeh, A.B., L. Huwang and C.-W. Wu; *A multivariate EWMA control chart for monitoring process variability with individual observations*; November; 1023

Zantek, P.F.; *Run-length distributions of Q-chart schemes*; November; 1037

Zhao, Y., F. Tsung and Z. Wang; *Dual CUSUM control schemes for detecting a range of mean shifts*; November; 1047

Zhou, S. and J. Jin; *Automatic feature selection for unsupervised clustering of cycle-based signals in manufacturing processes*; June; 569

Zhou, S., N. Jin and J. Jin; *Cycle-based signal monitoring using a directionally variant multivariate control chart system*; November; 971

4400 – Reliability engineering
Gebraeel, N.Z., M.A. Lawley, R. Li and J.K. Ryan; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543
Guida, M. and G. Pulcini; *Bayesian reliability assessment of repairable systems during multi-stage development programs*; November; 1071
Huang, H.-Z., Z. Tian and M.J. Zuo; *Intelligent interactive multiobjective optimization method and its application to reliability optimization*; November; 983
Zhao, W. and E.A. Elsayed; *A general accelerated life model for step-stress testing*; November; 1059

4440 – Accelerated life testing
Zhao, W. and E.A. Elsayed; *A general accelerated life model for step-stress testing*; November; 1059

4470 – Reliability prediction
Gebraeel, N.Z., M.A. Lawley, R. Li and J.K. Ryan; *Residual-life distributions from component degradation signals: A Bayesian approach*; June; 543
Kharoufeh, J.P. and S.M. Cox; *Stochastic models for degradation-based reliability*; June; 533

GUEST REVIEWERS FOR 2005

Umit Akinc
Susan Albin, Rutgers University
Tayfur Altiok, Rutgers University
Bulent Altunkaynak
Bruce Ankenman, Northwestern University
Haldun Aytug, University of Florida
Muhammad Ben Daya, King Fahd University of Petroleum & Minerals
Irad Bengal, Ramat-Aviv
Richard Braatz
Gerard P. Cachon, University of Pennsylvania
Wayne Cai
Jaime Camelio
Yong Chen, University of Iowa
Chao-Yu Chou,
Kelvin Chu, Bell Laboratories, Adv. Tech.
David Coit, Rutgers University
Tapas Das, University of South Florida
Enrique del Castillo, The Pennsylvania State University
S. Dharmaraja, Indian Institute of Technology, Delhi
Yu Ding, Texas A & M University
Djurdjanovic Dragan, University of Michigan
D.J. Dumin, Clemson University
Elsayed Elsayed, Rutgers University
Y. Fang, University of Oregon
Yahva Fathi
Babak Forouraghi
Ken Goldberg, University of California
D. Gupta, University of Minnesota
David Hanagal
David He, The University of Illinois at Chicago
Qi-Ming He, DalTech Dalhousie University
Engshwe Ho, Vitria
David Hosmer, University of Massachusetts
Qiang Huang, University of South Florida
Luis Izquierdo, University of Michigan
Andrew Jardine, University of Toronto
Angus Jeang
Wei Jiang, Stevens Inst. of Technology
Jionghua "Judy" Jin, University of Arizona
Kailash C. Kapur, University of Washington
Kailash Kapur, University of Washington
Mahdi Karbasian
Waldemar Karwowski, University of Louisville
Jeffrey Kharoufeh
David Kim
Kwang-Jae Kim, Pohang University of Science & Tech.
John Klein
William Kolarik, Oklahoma State University
Andrew Kusiak, University of Iowa
James Ledoux
Jing Li, University of Michigan
Kevin W. Linderman, Carlson School of Management
Runze Li
Michael Luvalle, OFS Laboratories
Saeed Maghsoodloo, Auburn University
Viliam Makis, University of Toronto
V. Makis, University of Toronto
Edward McCombs
D.N.P. Murthy, University of Queensland
Joel Nachlas, Virginia Polytechnic Institute and State University
Hon Keung Tony Ng
Rong Pan, The University of Texas at El Paso
Chanseok Park, Clemson University
Marcus Perry
Marcus Perry, Air Force Inst. of Technology
Foster Provost
David M. Reineke, University of Wisconsin - LaCrosse
Marion Reynolds, Virginia Polytechnic Institute and State University
Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University
George C. Runger, Arizona State University
Jan Shi, University of Michigan
Jianjun Shi, University of Michigan
Lianjie Shu, University of Macau
Mark L. Spearman, Factory Physics, Inc.
Kwei Tang, Purdue University
Fugee Tsung, Hong Kong University of Sci. & Tech.
Diwekar Urmila
John Usher, University of Louisville
J. Rene Villalobos, Arizona State University
Naruemon Wattanapongsakorn, King Mongkut's University of Technology Thonburi
William Woodall, Virginia Polytechnic Institute and State University
Min Xie, National University of Singapore
Su-Fen Yang
Arthur Yeh, Bowling Green State University
Armen Zakarian, University of Michigan
Paul Zantek, University of Maryland
Cai Wen Zhang
Shiyu Zhou, University of Wisconsin
Ming Zuo, University of Alberta
Ming J. Zuo, University of Alberta